BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Impovements to Main Road and Cross Roads at Balaji Layout in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Estimate Cost Rs. 1950000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152/ Item No. 19.1/ PWD SR 2013-14**	Cum							
	Desiltation of Road Side drains								
	1st Main Road		2	75.00	0.45	0.35	23.63		
	2nd Main Road		2	200.00	0.45	0.35	63.00		
	1st Cross Cross		2	180.00	0.45	0.35	56.70		
	2nd Cross Road		2	85.00	0.45	0.35	26.78		
	3rd Cross Road		2	110.00	0.45	0.35	34.65		
	Berm Cutting								
	1st Main Road		2	75.00	1.00	0.20	30.00		
	2nd Main Road		2	200.00	1.00	0.25	100.00		
	1st Cross Cross		2	180.00	0.90	0.20	64.80		
	2nd Cross Road		2	85.00	0.90	0.25	38.25		
	3rd Cross Road		2	110.00	0.90	0.20	39.60		
							477.40	65.88	**31451.00**
	Basic Rate	61.00							
	Area Weightage @ 8%	4.88							
	Total	**65.88**							
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2013-14**	Sqm							
	1st Main Road		2	40.00		1.35	108.00		
	2nd Main Road		2	110.00		1.35	297.00		
	1st Cross Cross		2	58.00		1.35	156.60		
	2nd Cross Road		2	55.00		1.35	148.50		
			2	45.00		1.35	121.50		
							831.60	50.11	**41673.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 2				**831.60**	70.04	**58244.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**70.04**							
4	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.170 / I.20.18) PWD SR - 2013-14.**	Cum							
	1st Main Road		1	75.00	6.00	0.15	67.50		
	2nd Main Road		1	200.00	6.00	0.15	180.00		
	1st Cross Cross		1	180.00	5.50	0.15	148.50		
	2nd Cross Road		1	85.00	5.50	0.15	70.13		
	3rd Cross Road		1	110.00	5.50	0.15	90.75		
							556.88	1121.04	**624279.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
5	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
	1st Main Road		1	75.00	6.00		450.00		
	2nd Main Road		1	200.00	6.00		1200.00		
	1st Cross Cross		1	180.00	5.50		990.00		
	2nd Cross Road		1	85.00	5.50		467.50		
	3rd Cross Road		1	110.00	5.50		605.00		
							3712.50	10.53	**39093.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
6	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 5				3712.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							3712.50	44.28	**164390.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 178/ Item No. 21.20.1 / PWD SR 2013-14**	Cum							
	1st Main Road		1	75.00	6.00	0.025	11.25		
	2nd Main Road		1	200.00	6.00	0.025	30.00		
	1st Cross Cross		1	180.00	5.50	0.025	24.75		
	2nd Cross Road		1	85.00	5.50	0.025	11.69		
	3rd Cross Road		1	110.00	5.50	0.025	15.13		
							92.81	9631.44	**893918.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
8	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, **No. 197 / Item No. 24.15 PWD SR 2013-14**	Sqm							
	1st Main Road		2	75.00	0.10		15.00		
	2nd Main Road		2	200.00	0.10		40.00		
	1st Cross Cross		2	180.00	0.10		36.00		
	2nd Cross Road		2	85.00	0.10		17.00		
	3rd Cross Road		2	110.00	0.10		22.00		
							130.00	471.96	**61355.00**
	Basic Rate	437.00							
	Area Weightage @ 8%	34.96							
	Total	**471.96**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			477.40	72.71	34710.00
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							
10	Miscesallaneous Charges	L/S							

ADMINISTRATIVELY SANCTIONED for Rs 19.50 Lakhs
Rupees Nineteen Lakhs Fifty Thousand only
Under P-1771
Registered as EE ( ) No 3 ..9.. 19500
Subject to conditions contained in 887.00
enclosed memo EE ( ) No JC (Ye) 490 | 13-14 | 2744
Dt 30/10/13 Estimate Amount Total 1950000.00

(Rupees Ninteen Lakhs Fifty Thousand Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14.
3 This work included under POW Grants 2013-14.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 19.50 Lakhs
Nineteen Lakhs Fifty thousand only
P-1771
Cancelled
EE No. 190/13-14.
Registered as ... Subject to conditions
No. EE (N) 190/13-14 Dt. 29/10/13

AEE/JE

EE/BTP Div.